

## Elbert County, Colorado, Western Part

### 8—Bresser-Stapleton sandy loams, 8 to 25 percent slopes

#### Map Unit Setting

*National map unit symbol:* jnl7  
*Elevation:* 5,300 to 6,400 feet  
*Mean annual precipitation:* 14 to 17 inches  
*Frost-free period:* 120 to 155 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Bresser and similar soils:* 50 percent  
*Stapleton and similar soils:* 25 percent  
*Minor components:* 25 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Bresser

##### Setting

*Landform:* Hills, valley sides, ridges  
*Landform position (two-dimensional):* Footslope, backslope  
*Landform position (three-dimensional):* Side slope, crest  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium and/or arkosic residuum weathered from sedimentary rock

##### Typical profile

*H1 - 0 to 7 inches:* sandy loam  
*H2 - 7 to 20 inches:* sandy clay loam, clay loam  
*H2 - 7 to 20 inches:* sandy loam  
*H3 - 20 to 29 inches:* loamy coarse sand, gravelly loamy sand, very gravelly loamy sand  
*H4 - 29 to 60 inches:*  
*H4 - 29 to 60 inches:*  
*H4 - 29 to 60 inches:*

##### Properties and qualities

*Slope:* 8 to 20 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.60 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 10 percent  
*Available water storage in profile:* High (about 11.0 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* 6e  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* B  
*Ecological site:* Sandy Foothill (R049BY210CO)  
*Hydric soil rating:* No

### **Description of Stapleton**

#### **Setting**

*Landform:* Hills, ridges, valley sides  
*Landform position (two-dimensional):* Footslope, backslope  
*Landform position (three-dimensional):* Side slope, crest  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium and/or arkosic residuum weathered from sedimentary rock

#### **Typical profile**

*H1 - 0 to 37 inches:* sandy loam  
*H2 - 37 to 60 inches:* loamy coarse sand, loamy sand, gravelly loamy sand  
*H2 - 37 to 60 inches:*  
*H2 - 37 to 60 inches:*

#### **Properties and qualities**

*Slope:* 8 to 25 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (6.00 to 20.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water storage in profile:* Moderate (about 8.2 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* B  
*Ecological site:* Sandy Foothill (R049BY210CO)  
*Hydric soil rating:* No

### **Minor Components**

#### **Other soils**

*Percent of map unit:* 10 percent  
*Hydric soil rating:* No

#### **Cushman**

*Percent of map unit:* 7 percent  
*Hydric soil rating:* No

**Weld**

*Percent of map unit:* 6 percent

*Hydric soil rating:* No

**Aquic haplustoll**

*Percent of map unit:* 2 percent

*Landform:* Swales

*Hydric soil rating:* Yes

## Data Source Information

Soil Survey Area: Elbert County, Colorado, Western Part

Survey Area Data: Version 14, Sep 10, 2018